## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet of 2 1

(		sign (+) inside	,	_		PTO/SB/08A (10-96  Approved for use through 10/31/99. OMB 0651-003  Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE or respond to a collection of information unless it contains a valid OMB control number			
LIR 17 LO ES	11/10					Complete if Known			
		001447			201 001105	Application Number	09/241,684	RECEIVEL	
CATENT & TRATEMENT	INF				SCLOSURE	Filing Date	February 1, 199	9	
WENT & IN	STA	YTEMEN	NT BY	Ά	PPLICANT	First Named Inventor	Weingarten, et	APR 1 9 2000	
	(use as many sheets as necessary)					Examiner Name		2700 2700	
	Sheet	1		of	2	Attorney Docket Number	FRELP-034US	moup =100	

				U.S. PATENT DOC	UMENTS	
Examiner nitials	Cite No.1	U.S. Paten	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W.		5,838,701		Deutsch, et al	11-17-1998	
		5,574,738		Morgan	11/12/1996	
-						
					<u> </u>	
					<u> </u>	
	•					
					<del>                                     </del>	
				<b>.</b>	1	

				FOR	EIGN PATENT DOCUMENT	rs		
Examiner Initials*	Cite No.1	Office	Foreign Patent Do	cument Kind Code <sup>s</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τő
<u></u>		JP 01276782		Asahi Glass Co. Ltd.	07-11-1989			
								F
	_							$\vdash$

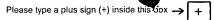
	Δ	
Examiner	) - M-//	Date / /
Signature	braveline Mulson	Considered 11/26/03

\*EXAMINER: Initial I reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (10-96)

Please type a plus sign (+) inside this fox + + Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Cubatita	uto for form 1440P/PT/	`		Complete if Known				
Substitute for form 1449B/PTO				Application Number	09/241,684			
INF	ORMATION	1 D	ISCLOSURE	Filing Date	February 1, 1999			
STATEMENT BY APPLICANT			ΔΡΡΙΙΚΔΝΤ	First Named Inventor	Weingarten, et al.			
Ulr	· · · · · · · · · · · · · · · · · · ·	<b>-</b> .	ALL EIGHT	Group Art Unit		RECEIVE		
	(use as many s	sheet	s as necessary)	Examiner Name		VEL VEL		
Sheet	2	of	2	Attorney Docket Number	FREI.P-034US	APR 1 9 2000		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Group :	270
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
1/2		Hohimer, J.P., et al. "PASSIVE MODE LOCKING OF MONOLITHIC SEMICONDUCTOR RING LASERS AT 86 GHz", Appl. Phys. Lett 63 (12) 20 September 1993, Woodbury, NY, US.	
Z/JS		Yu J, et.al., "FOURIER-LIMITED 1.6-ps PULSES WITH VARIABLE REPETITION RATE FROM 1 TO 26 GHz BY PASSIVE MODE-LOCKING OF A SEMICONDUCTOR LASER IN AN EXTERNAL CAVITY", 8342 IEEE Photonics Technology Letters 7(1995) May, No. 5, New York, US.	
		Hansen, P.B. et al. "InGaASP MONOLITHIC EXTENDED-CAVITY LASERS WITH INTEGRATED SATURABLE ABSORBERS FOR ACTIVE, PASSIVE, AND HYBRID MODE LOCKING AT 8.6 GHzz", 320 Applied Physics Letters 62(1993) 29 March, No. 13, New York, US	
	3	Sanders, S. et al, "PASSIVE MODE LOCKING OF A TWO-SECTION MULTIPLE QUANTUM WELL LASER AT HARMONICS OF THE CAVITY ROUND-TRIP FREQUENCY", Applied Physics Letters, US, American Institute of Physics, New York, Vol. 58, 7, 18 February 1991)	
di		Hoenninger, C., et al. "EFFICIENT AND TUNABLE DIODE-PUMPED FEMTOSECTOND YB:BLASS LASERS", Optics Letters, US, Optical Society of America, Washington, Vol. 23, No. 2, 15 January 1998.	
كراري		Smith, P.W., et al., "MODE LOCKING OF SEMICONDUCTOR DIODE LASERS USING SATURABLE EXCITONIC NONLINEARITIES", Journal of the Optical Society of America - B, US, Optical Society of America, Washington, Vol. 2, no. 7, 1 July 1985.	
_			
<u> </u>			<u> </u>

Date Examiner Considered Signature

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

nı	<b>.</b>				44.	L		
Please	туре а	plus sign	(*)	เทรเฉษ	เกเร	DOX	~	ı +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE bilection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to respo

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1

Complete if Known							
Complete if Known							
Application Number	09/439,915						
Filing Date	11/12/1999						
First Named Inventor	Seitz						
Group Art Unit							
Examiner Name							
Attorney Docket Number	EREI P-025LIS						

ــــــــــــــــــــــــــــــــــــــ							
+					U.S. PATENT DOCI	UMENTS	
	aminer ials	Cite No.1			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	171		4,734,776		Wang, et al.	03-29-1988	
	$\alpha$		5,671,013		Nakao	09-23-1997	
			5,309,243		Tsai	05-03-1994	
L					* · · · · · · · · · · · · · · · · · · ·		
<u></u>							<u>r.</u>
_							APF C
_					[		<u> </u>
L							
							<del></del>
L							
							7 2 1
			ļ		<u> </u>		70
_							<u>``</u>
L							

				FOR	EIGN PATENT DOCUMENT	rs		
Examiner Cite Initials No.1		Office	Foreign Patent Do	ocument Kind Code <sup>s</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Тŧ
265		EP	0 387 817 A2		Konica Corporation	09-19-1990		
						-		

Examiner Signature	ac	and has	Ulson	Date Considered	11/26	103	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initia if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

					$\overline{}$
Please typ	e a plus	sign (+)	inside this	pox —	+

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 09/439,915

Filling Date 11/12/1999

First Named Inventor Seitz

Group Art Light

Group Art Unit

Examiner Name

Attorney Docket Number FREI.P-025US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Cite item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. AIZAWA K ET AL: "COMPUTATIONAL IMAGE SENSOR FOR ON SENSOR COMPRESSION" IEEE TRANSACTIONS ON ELECTRON DEVICES, Vol. 44, no. 10, October 1997, pages 1724-1730, XP000703886

Examiner Signature Acqueling Milson Date Considered 1/26/03

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Inital if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.